FIG. 1

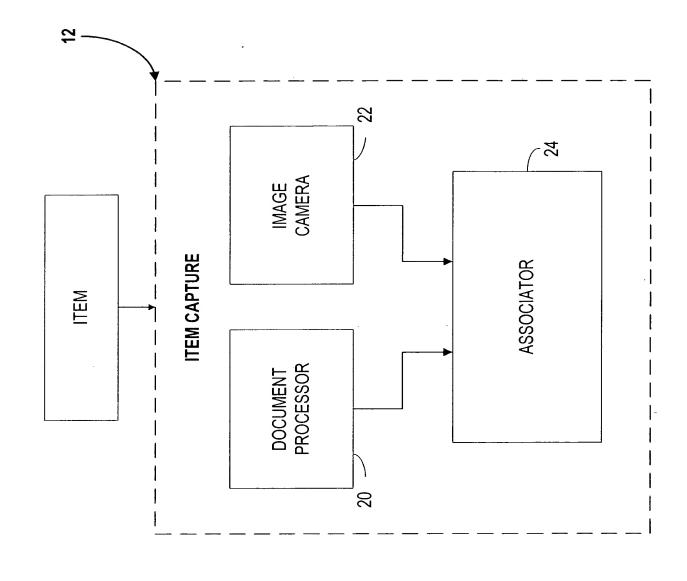


FIG. 2

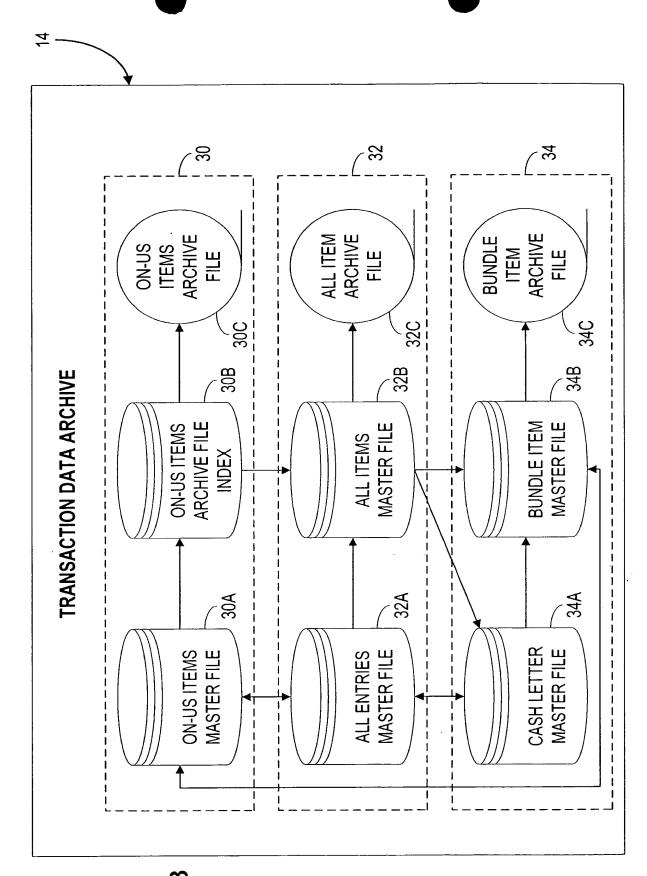


FIG. 3

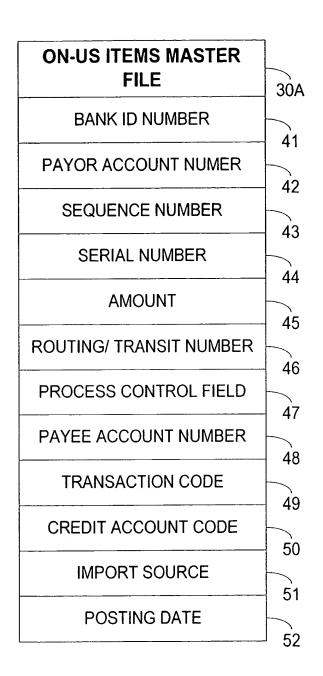


FIG. 4

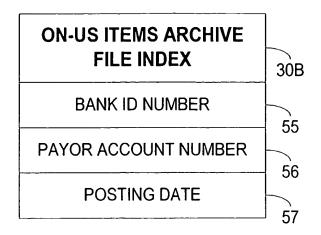


FIG. 5

```
01
    AEMF-RECORD .
    05
        AEMF-KEY.
            AEMF-KEY-APPL-SITE
                                                               X(03).
              88 AEMF-KEY-APPL-SITE-CHR
                                                       VALUE 'CER'.
                 AEMF-REY-APPL-SITE-CVL
              88
                                                       VALUE 'CVL'.
                 AEMF-KEY-APPL-SITE-RAL
              88
                                                       VALUE 'RAL'.
              88
                  AEMF-KEY-APPL-SITE-COL
                                                       VALUE 'COL'.
                 ÁEMF-KEY-APPL-SITE-ATL
                                                       VALUE 'ATL'.
         10
              AEMF-KEY-APPL-DATE.
              20 AEMF-KEY-APPL-DATE-YYYY
                                                       PIC
                                                               X (02) .
              20
                  AEMF-KEY-APPL-DATE-MM
                                                               X(01).
                                                       PIC
                 AEMF-KEY-APPL-DATE-DD
                                                       PIC
                                                               X(01).
              AEMF-KEY-CAPT-SORT
                                                       PIC
                                                               X(01).
              AEMF-KEY-CAPT-ENTRY-NUMB
         10
                                                       PIC
                                                               X (02) .
         10
              AEMF-KET-RECD-NUMB
                                                       PIC
                                                               X (03)
                                                                       COMP-3.
         AEMF-ENTRY-DATA.
             AEMF-ENTRY-CAPT-DATE.
         10
              20 AEMF-ENTRY-CAPT-DATE-YYYY
                                                       PIC
                                                               X(02).
              20 AEMF-ENTRY-CAPT-DATE-MM
20 AEMF-ENTRY-CAPT-DATE-DD
                                                       PIC
                                                               X(01).
                                                       PIC
                                                               X (01) .
         10
              AEMF-ENTRY-CAPT-CYCLE
                                                       PIC
                                                               X (01) .
              AEMF-ENTRY-LOW-SEQU
         10
                                                       PIC
                                                               X(06).
         10
              AEMF-ENTRY-HGH-SEOU
                                                       PIC
                                                               X (06) .
         10
              AEMF-ENTRY-PASS-NUM
                                                       PIC
                                                              X(01).
              AEMF-ENTRY-STR-TYPE
                                                       PIC
         10
                                                               X(01).
             AEMF-ENTRY-SUBSET-ID
         10
                                                       PIC
                                                               X(03).
         10
              AEMF-ENTRY-NUMB-BLOCKS
                                                       PIC
                                                               9 (07)
                                                                       COMP-3
                                                                       COMP-3.
         10
             AEMF-ENTRY-NUMB-BATCES
                                                       PIC
                                                               9 (07)
              AEMF-ENTRY-NUMB-ITEMS
                                                       PIC
         10
                                                               9 (07)
                                                                       COMP-3.
         10
              FILLER
                                                       PIC
                                                               X(10).
         AEMF-BLOCK-DATA OCCURS 0 TO 20 TIMES DEPENDING ON
         AEMF-ENTRY-NUMB-BLOCKS.
         10
             AEMF-BLOCK-SEQU-NUMB
                                                       PIC
                                                               X (06) .
              AEMF-BLOCK-AMOUNT
                                                       PIC
                                                               X(05).
              AEMF-BLOCK-CAS-TYPE
                                                       PIC
         10
                                                               X (02) .
         10
              AEMF-BLOCK-TRACER-RT
                                                       PIC
                                                               X (04).
         10
              AEMF-BLOCK-TRACER-ACCT
                                                       PIC
                                                               X (07) .
         10
              AEMF-BLOCK-NUMB-ITEMS
                                                       PIC
                                                               9 (06) .
                                                                         COMP-3.
              AEMF-BLOCK-AMOUNT-STATUS
                                                       PIC
                                                              X(01).
              88 AEMF-BLOCK-AMOUNT-RECD-INBAL
88 AEMF-BLOCK-AMOUNT-RECD-OUTBAL
                                                       VALUE 'I'.
                                                       VALUE 'O' .
             FILLER
                                                               X (09).
         10
        AEMF-BATCH-DATA OCCURS 0 TO 1000 TIMES DEPENDING ON
        AEMF-ENTRY-NUMB-BATCHS.
        10 AEMF-BATCH-BLOCK-SEQU-NUMB
                                                              X(06).
             AEMF-BATCH-SEQU-NUMB
                                                      PIC
                                                              X (06) .
        10
                                                      PIC
                                                              X (05) .
             AEMF-BATCH-AMOUNT
        10
        10
             AEMF-BATCH-NUMB-ITEMS
                                                      PIC
                                                              9 (06) COMP-3.
             AEMF-BATCH-AMOUNT-STATUS
                                                      PIC
                                                              X(01).
             88 AEMF-BATCH-AMOUNT-RECD-INBAL
                                                      VALUE 'I'.
             88
                 AEMF-BATCH-AMOUNT-RECD-OUTBAL
                                                      VALUE 'O' .
        10
             FILLER
                                                      PIC
                                                              X(09).
```

F16.6

AEN	AEMF - All Entries Master File										
AEM	- Key				Segu Num	ber Range	Data Reco	rds			
ATL	19980102	76 9998	001	String Header	76000008	76000219		Block Ticket Batch Ticket			
ATL	19980102	77 9999	001	String Header	77000220	77000330		Block Ticket Batch Ticket			

.:

```
05
   AIMF-KEY.
       AIMF-KEY-APPL-SITE
                                                 PIC
                                                        X(03).
    10
        88 ADMF-KEY-APPL-SITE-CHR
                                                 VALUE 'CER'
                                                 VALUE 'CVL
                  REY-APPL-SITE-CVL
        88
         88
                  KEY-APPL-SITE-RAL
                                                 VALUE 'RAL
                  KEY-APPL-SITE-COL
                                                 VALUE 'COL
         88
             AIMF-REY-APPL-SITE-ATL
                                                 VALUE 'ATL'.
         88
    10
        ATMF-KEY-APPL-DATE
                                                        X(02).
         20 AIMF-KEY-APPL-DATE-YYYY
                                                 PIC
            AIMF-KEY-APPL-DATE-MM
                                                 PIC
                                                         X(01).
         20
            AIMF-KEY-APPL-DATE-DD
                                                 PIC
                                                         X(01).
         20
    10
        ATMF-KEY-ENTRY
                                                 PIC
                                                         X(02) .
        AIMF-KEY-LAST-SEQU.
             AIMF-KEY-LAST-SEQU-PRFX
                                                 PIC
                                                         X(01).
         20
         20
             AIMF-KEY-LAST-SEQU-SORT
                                                 PIC
                                                        X(01).
            AIMF-KEY-LAST-SEQU-NUMB
                                                 PIC
                                                         X(04).
         20
                                                                COMP-3.
    10
        AIMF-KEY-RECD-NUMB
                                                 PIC
                                                         9 (05)
        AIMF-KEY-RECD-TYPE
                                                 PIC
                                                         X(01).
                                                 VALUE 'C'.
         88
            AIMF-KEY-RECD-CONT
                                                 VALUE ' '.
             AIMF-KEY-RECD-END
         88
05
    AIMF-BATCH-DATA.
        AIMF-BATCH-CAPT-DATE-YYYYMDD,
         20 AIMF-BATCH-CAPT-DATE-YYYY
                                                 PIC
                                                         X(02).
             AIMF-BATCH-CAPT-DATE-MM
                                                 PIC
                                                         X(01).
         20
                                                         X(01).
             AIMF-BATCH-CAPT-DATE-DD
                                                 PIC
         20
                                                         X(01).
        AIMF-BATCH-CAPT-CYCLE
                                                 PIC
                                                 PIC
                                                         9(07) COMP-3.
    10
        AIMF-BATCH-NUMB-ITEMS
    AIMF-ITEM-DATA.
    10
        AIMF-ITEM
         OCCURS 0 to 350
         DEPENDING ON AIMF-BATCH-NUMB-ITEMS.
                                                         X(06).
             AIMF-ITEM-REC-SEQUENCE
                                                 PIC
         15
         15
             AIMF-ITEM-REC-SERIAL
                                                 PIC
                                                         X(05).
             AIMF-ITEM-REC-TRAN-TYPE
                                                         X(02).
                                                 PIC
              88
                 AIMF-ITEM-TRAN-ONUS-BLOCK
                                                 VALUE X'80F5'
                                                       X'82F5'
                                                        X'COF5' .
                                                 VALUE X'80F4'
              88
                 AIMF-ITEM-TRAN-ONUS-BATCH
                                                        X'82F4'
                                                       X'88F4'
                                                       X'COF4'
                                                 VALUE X'1400'
              88
                 AIMF-ITEM-TRAN-ONUS-CR
                                                       X'1C00'.
              88
                  AIMF-ITEM-TRAN-ONUS-BTEC-CR
                                                 VALUE X'1600'
                                                        X' 1E00'
                                                 VALUE X'1000'
                  ATMF-ITEM-TRAN-ONUS-DB
              88
                                                        X' 1800'
                                                        x'5000'.
                  AIMF-ITEM-TRAN-ONUS-BTEC-DB
                                                 VALUE X' 1200'
                                                        X' 1A00' .
                  AIMF-ITEM-TRAN-TRAN-DB
                                                  VALUE X'0000'
                                                        x'0800'
                                                        x'2000'
                                                        X'4000'.
              88
                 AIMF-ITEM-TRAN-TRAN-BTEC-DB
                                                 VALUE X'0200'
                                                                       F16.8
                                                        X'0A00'
                                                        X'2200'
                                                        X'2A00'.
                                                 PIC
                                                         X(04).
         15
             AIMF-ITEM-RT
         15
              AIMF-ITEM-ACCT
                                                 PIC
                                                         X(07).
         15
              AIMF-ITEM-PC
                                                 PIC
                                                         X(03).
         15
              AIMF-ITEM-AMT
                                                 PIC
                                                         X(05).
                                                         X(02).
         15
              AIMF-ITEM-CPUID
                                                 PIC
              AIMF-ITEM-CPCS-TYPE
                                                 PIC
                                                         X(01).
         15
         15
              AIMF-ITEM-USER
                                                 PIC
                                                         X(01).
              ATMF-ITEM-POCKET
                                                 PIC
                                                         X(01).
         15
         15
              AIMF-ITEM-CR-RT
                                                 PIC
                                                         X(04)
                                                         X(07).
         15
              AIMF-ITEM-CR-ACCT
                                                 PIC
         15
              AIMF-ITEM-CR-SEOU
                                                 PIC
                                                         X(06).
         15
              AIMF-ITEM-AMT-STATUS
                                                 PIC
                                                         X(01).
                                                  VALUE ' '.
              88
                 AIMF-ITEM-AMT-OK
         15
              FILLER
                                                 PIC
                                                         X(05).
              AIMF-ITEM-DATA-TYPE
                                                 PIC
         15
                                                         X(01).
                 AIMF-ITEM-NUMB-NONE
                                                 VALUE ' '.
                  AIMF-ITEM-NUMB-ONUS
                                                 VALUE 'O'.
                  AIMF-ITEM-NUMB-TRANSIT
                                                 VALUE 'T'
              AIMF-ITEM-NUMB-DATA
                                                 PIC
                                                         X(23).
         15
              AIMF-ITEM-ONUS-DATA REDEFINES
              AIMF-ITEM-NUMB-DATA.
                  AIMF-ONUS-POST-ACCT
                                                  PIC
                                                         9 (15)
                                                                   COMP-3.
              20
                  AIMF-ONUS-EXTR-ACCT
                                                         9(15)
                                                                   COMP-3.
              20
                                                 PIC
              20 FILLER
                                                  PIC
                                                         X(07).
              AIMF-ITEM-TRANSIT-DATA REDEFINES
              AIMF-ITEM-NUMB-DATA.
                  AIMF-TRANS-BUNDLE-DATE
              20
                                                 PIC
                                                         X(04).
              20
                  AIMF-TRANS-BUNDLE-TIME
                                                 PIC
                                                         X(08).
                  AIMF-TRANS-BUNDLE-AMT
                                                          9(09) V99 COMP-3.
              20
                                                  PIC
                  AIMF-TRANS-BUNDLE-ENDPT
                                                 PIC
                                                         9 (09)
                                                                  COMP-3.
              20
```

AIMF-All Items Master File

AIM	 Object Rec 	ords			•			
ATL	19980102	9998	19980102	0076000011	01 ' '			
	76000008	Block Ticket	76000008	Batch Ticket	76000013	On-Us Credit	76000014	On-Us Debit
			76000214	On-Us Debit	76000215	Transit Debit		
	76000216	On-Us Credit	76000217	Transit Debit	76000218	On-Us Debit		
ATL.	19980102	9999	19980102	0076000223	01''			
,,,,	77000220	Block Ticket	77000223	Batch Ticket	77000225	On-Us Credit	77000226	On-Us Debit
		Transit Debit			77000327	Transit Debit		
	77000328	On-Us Credit	77000329	Transit Debit	77000330	On-Us Debit		

01	CLMF	-RECO				
	05	CLME	-KEY.	5.50	X(03).	
		10	CLMF-KEY-CL-PROC-SITE	PIC		COMP-3.
		10	CLMF-KEY-CL-PROC-DATE	PIC	9 (09)	
		10	CIME-KEY-CL-END-POINT	PIC	9 (09)	COMP-3.
		10	CLMF-KEY-CL-AMNT	PIC	9 (13) V99	COMP-3.
		10	CLMF-REY-CL-TIME	PIC	9 (07)	COMP-3.
	05	CLME	T-DATA.		0.4001	COMP-3.
		10	CLMF-KEY-SYST-DATE	PIC	9 (09)	
		10	CLMF-KEY-ACLS-NUMB	PIC	9 (03)	COMP-3.
		10	CLMF-CL-ABA-NUMBER	PIC	9 (09)	COMP-3.
		10	CLMF-CL-DUE-FROM-ACCT	PIC	9 (15)	COMP-3.
		10	CLMF-CL-NUMBER-BUNDLES	PIC	9 (05)	COMP-3.
		10	CIMF-CL-NUMBER-ITEMS	PIC	9 (09)	COMP-3.
		10	CLMF-CL-AVAIL-CODE	PIC	X(01).	
		10	CIMF-CL-AVAIL-DATE	PIC	9 (09)	CMOP-3.
		10	FILLER	PIC	X(14).	
	05	CLM	F-CL-BUNDLE-DATA OCCURS 0 TO 400 TIMES	DEPENDIN	G ON	
		CLM	F-CL-NUMBER-BUNDLES.		0 (1 2) 100	com. 3
		10	CLMF-BUNDLE-AMNT	PIC	9 (13) V99	
		10	CLMF-BUNDLE-CPCS-NUMB	PIC	9 (03)	COMP-3.
		10	CLME-BUNDLE-ACLS-NUMB	PIC	9 (03)	COMP-3.
		10	CLMF-BUNDLE-NUMB-ITEM	PIC	9 (07)	COMP-3.
		10	CLMF-BUNDLE-HOLD-OVER	PIC	X(01).	

FIG. 10

		<u> </u>		84 4	F-:1-
CL	MH	- Cash	Letter	Master	riie

CLMF	- Kev				Data Records
ATL	19980102	12345678	99,999,999.99	hhmmss	99,999,999,999.99
					99,999,999,999.99
ATL	19980102	12345678	99,999,999.99	hhmmss	99,999,999,999.99
					99,999,999,999.99

```
01
    BIMF-RECORD.
         BIMF-KEY.
    05
             BIMF-VSM-KEY-APPL-SITE
                                                     PIC
                                                             X(03).
         10
                 BIMF-VSM-KEY-APPL-SITE-CHR
                                                     VALUE 'CHR'.
             88
                                                     VALUE 'CVL'
                  BIMF-VSM-KEY-APPL-SITE-CVL
                  BIMF-VSM-KEY-APPL-SITE-RAL
                                                     VALUE 'RAL'.
             88
                  BIMF-VSM-KEY-APPL-SITE-COL
                                                     VALUE 'COL'.
             88
                                                     VALUE 'ATL'.
                  BIMF-VSM-KEY-APPL-SITE-ATL
              88
             BIMF-VSM-KEY-APPL-DATE.
                                                             X (02) .
                  BIMF-VSM-KEY-APPL-DATE-YYYY
                                                     PIC
              20
                                                     PIC
                                                             X(01).
                  BIMF-VSM-KEY-APPL-DATE-MM
              20
                                                     PIC
                                                             X(01).
                  BIMF-VSM-KEY-APPL-DATE-DD
              20
                                                     PIC
                                                             9 (08)
              BIMF-VSM-KEY-END-POINT
                                                             9 (13) V9
                                                     PIC
             BIME-VSM-KEY-BUNDLE-AMNT
         10
              BIMF-VSM-KEY-BUNDLE-TIME
                                                     PIC
                                                             9 (07)
         10
                                                             9 (05)
              BIMF-VSM-KEY-INT-SEQ-NUMB
         10
                                                             9 (05)
              BIME-VSM-KEY-RECD-NUMB
                                                     PIC
         10
                                                             X(01).
                                                     PIC
              BIMF-VSM-KEY-RECD-TYPE
                                                     VALUE 'C'.
              88 BIMF-VSM-KEY-RECD-CONT
                                                     VALUE ' '.
                  BIMF-VSM-KEY-RECD-END
              88
         BIMF-RECORD-DATA.
                                                             x(02).
                                                     PIC
              BIMF-VSM-BUNDLE-MCRE-SEQ
                                                             9 (07)
              BIMF-VSM-BUNDLE-NUMB-ITEMS
                                                     PIC
         10
                                                             9 (07)
              BIMF-VSM-RECORD-ITEMS
                                                     PIC
         10
                                                     PIC
                                                             X(02).
              BIMF-VSM-ENTRY
          10
                                                             X(01).
                                                     PIC
              BIMF-VSM-ITEM-CYCLE
                                                             X(01).
                                                     PIC
              BIMF-VSM-PASS
         10
                                                             X(04).
              BIMF-VSM-PASS-POCKET
                                                     PIC
          10
                                                     PIC
                                                             X(01).
              BIMF-VSM-STRING-TYPE
         10
                                                     PIC
                                                             x(03).
              BIMF-VSM-SUBSET-ID
          10
                                                             X(10).
                                                     PIC
          10
              FILLER
         BIMF-VSM-ITEM-DATA.
              BIMF-VSM-ITEM-DATA OCCURS 0 TO 550 TIMES
          10
                       DEPENDING ON BIMF-VSM-RECORD-ITEMS.
                                                              X(02).
                   BIMF-VSM-REC-ITEM-TRAN-TYPE
                                                     PIC
                                                             X(06).
                                                     PIC
                   BIMF-VSM-REC-ITEM-SEQUENCE
              15
                                                     PIC
                                                              X(05).
                   BIMF-VSM-REC-ITEM-SERIAL
              15
                                                      PIC
                                                              X(01)
                   BIMF-VSM-REC-ITME-RETURN
                                                              X(04).
                                                      PIC
                   BIMF-VSM-REC-ITEM-RT
              15
                                                              X(07).
                   BIMF-VSM-REC-ITEM-ACCT
                                                      PIC
              15
                                                      PIC
                                                              X(03).
                   RIMF-VSM-REC-ITEM-PC
              15
                                                              X(05).
                   BIMF-VSM-REC-ITEM-AMT
                                                      PIC
              15
                                                              X (02) .
                   BIMF-VSM-REC-ITEM-BUNDLE-SEQU
                                                      PIC
              15
                   BIMF-VSM-REC-ITEM-AMT-STATUS
                                                      PIC
                                                              X(01).
              15
                   88 BIMF-VSM-REC-ITEM-ITEM-AMT-OK VALUE ' '.
                                                      PIC
                                                              X(14).
              15
                   FILLER
```

BIMF-Bundle Item Master File

BIME	Key	Data Records		
ATL	19980102 12345678 99,999,999.99 hhmmss 12345000	01 ''		Transit Debit Transit Debit
ATL	19980102 12345678 99,999,999.99 hhmmss 12345000	01 ''		Transit Item
				Transit Item

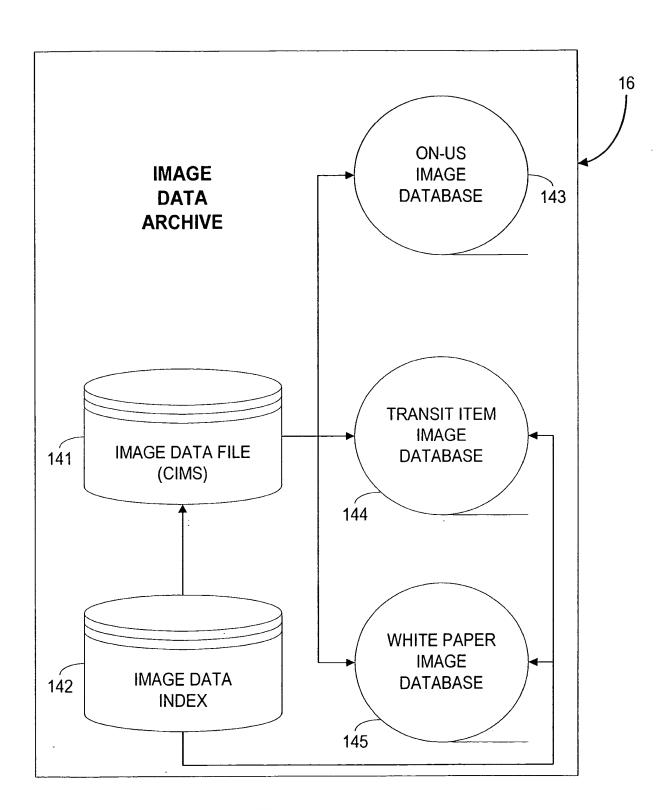
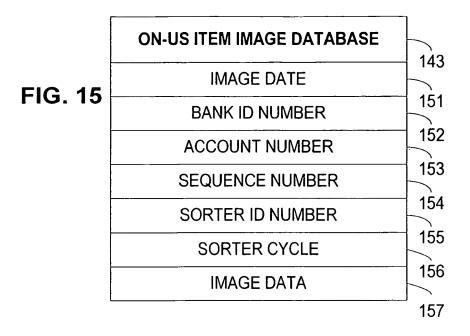
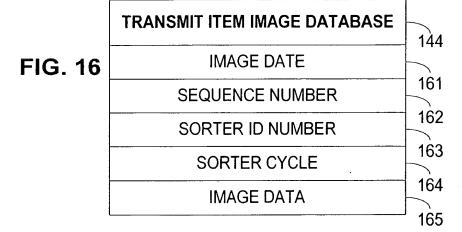
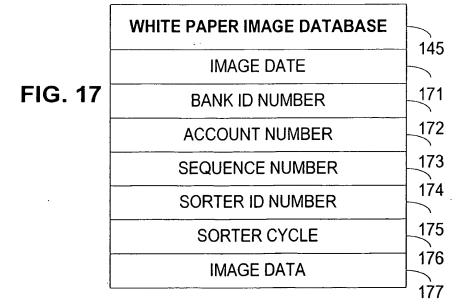


FIG.14







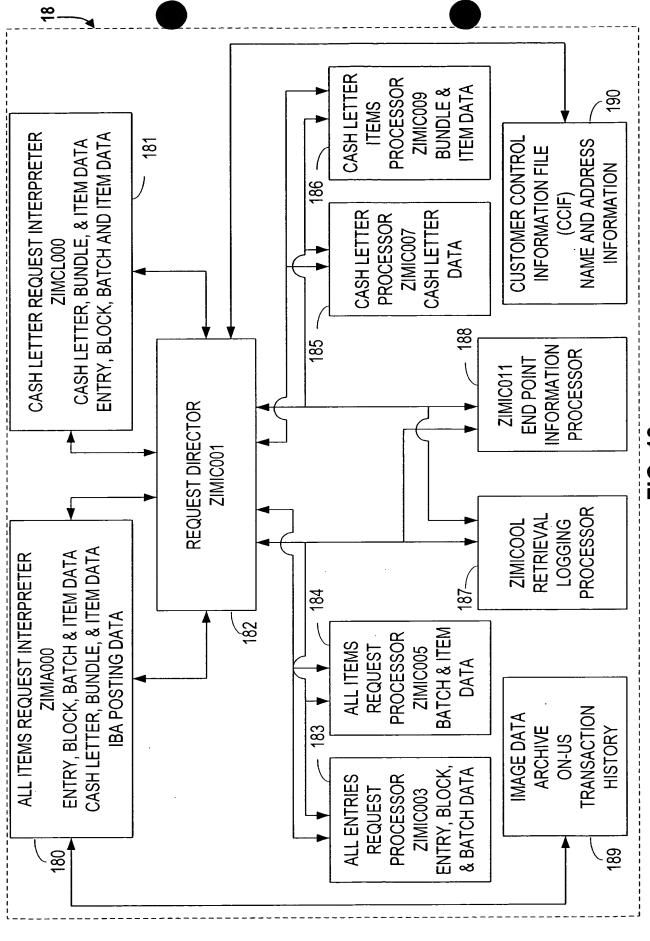
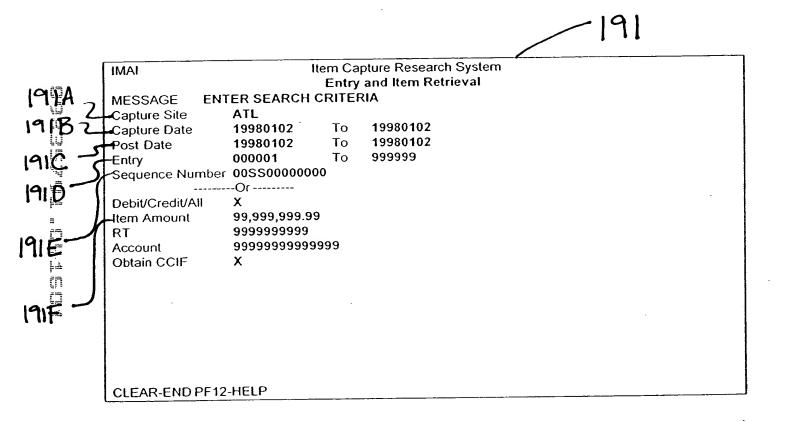


FIG. 18



F16.19

-20D

10.4.0.1		Item Canti	re Research Syst	em		
IMAI	ATL		RY LISTING			
Capture Site			() LIGHNO			
MESSAGE	SELECT		High Sequence	Blocks In	Batches I	n Items In
Capture	Entry	Low Sequence	Number	Entry	Entry	Entry
S Date	Number	Number	00SS12345678	999999	999999	999999
_ 19980102	000001	00\$\$12345678		999999	999999	999999
_ 19980102	000002	00SS12345678	00\$\$12345678	999999	999999	999999
_ 19980102	000003	00SS12345678	00SS12345678			999999
19980102	000004	00SS12345678	00SS12345678	999999	999999	
19980102	000005	00SS12345678	00SS12345678	999999	999999	999999
19980102	000006	00SS12345678	00\$\$12345678	999999	999999	999999
19980102	000007	00SS12345678	00\$\$12345678	999999	999999	999999
19980102	800000	00SS12345678	00SS12345678	999999	999999	999999
19980102	000009	00\$\$12345678	00SS12345678	999999	999999	999999
19980102	000001	00SS12345678	00SS12345678	999999	999999	999999
19980102	000002	00SS12345678	00\$\$12345678	999999	999999	999999
19980102	000003	00SS12345678	00SS12345678	999999	999999	999999
19980102	000004	00SS12345678	00\$\$12345678	999999	999999	999999
	000004	00SS12345678	00SS12345678	999999	999999	999999
_ 19980102		00SS12345678	00SS12345678	999999	999999	999999
_ 19980102	000006	00SS12345678	00SS12345678	999999	999999	999999
_ 19980102	000007		00SS12345678	999999	999999	999999
_ 19980102	000008	00\$\$12345678		999999	999999	999999
19980102	000009	00SS12345678	00SS12345678 WARD PF08-FO		333333	555000
CLEAR-END F	PF03-RETU	RN PF07-BACK	WARD PFUS-FU	RVVARU		

Fig. 20

-210

11111		lten	Capture F	esearc	h Systen	n				
IMAI	ATL		lock/Batch							
Capture Site	SELECT		10010000107		3					
MESSAGE	9999		ring Type	99	Pass	99	Bloc	ks In Ent	ry	999999
Entry Number Capture Date	19980102	_	ost Date	19980	102		Batc	hes In Er	ntry	999999
Capture Date Capture Cycle	99		ubset	99999			Item	s In Entry	y	999999
Tracer RT	99999999		acer Acct	99999	999999	999				
Hacel IVI	3333300									
Block Sequ	ence Block	k	Batch Sec	quence	Batch	ı		CAS		ms In
S Number	Amo		Number		· <u>Amou</u>			<u>Type</u>		tch_
007600000	000 99,9	99,999.99	00\$\$123	45678	99,99			9999		9999
-	_		00889999	99999	99,99					9999
007600010	000 99,9	99,999.99	00SS123	45678	99,99			9999		9999
_			00\$\$999	99999	99,99					9999
007600020	000 99,9	99,999.99			99,99			9999		9999
_			00\$\$999		99,99			0000		9999
007600030	000 99,9	99,999.99			99,99			9999		9999 9999
_			00\$\$999		99,99	-		0000		9999 9999
007600040	000 99,9	99,999.99			99,99	•		9999		9999
			00\$\$999		99,99			0000		9999
_ 007600050	000 99,9	99,999.99			99,99			9999		9999
_			00\$\$999		99,99	•				9999
_			00\$\$999		99,99	•				9999
ì			00\$\$999	99999	99,99	19,95	99.99		33	3333

Block and batch amounts will be highlighted if they are not in balance with all of the respective Items.

FIG. 21

-220

IMAI		Item Captu	re Research System	ก	
Capture Site	ATL	Block	Batch Detail		
MESSAGE	SELECT ITEM		_	aa	Entry 999999
Entry Number	9999	String Typ	pc 33 . 434	99 Blocks In I	
Capture Date	19980102	Post Date		Batches In	211.09
Capture Cycle	99	Subset	999999	Items In E	,
Tracer RT	99999999	Tracer Ad			
Block Number	007600000000	Block Am			
Batch Number	00760000001	I Batch An	nt 99,999,999.99	Num Item	5 33333
					Serial
Sequ	DB/ Trn	DT	Account	Amount	Number
S Number	CR Typ	RT 12345678	12345678901234	99,999,999.99	1234567890
007600000		12345678	12345678901234	99,999,999.99	1234567890
_ 007600000		12345678	12345678901234	99,999,999.99	1234567890
_ 007600000		12345678	12345678901234	99,999,999.99	1234567890
007600000		12345678	12345678901234	99,999,999.99	1234567890
_ 007600000		12345678	12345678901234	99,999,999.99	1234567890
_ 007600000		12345678	12345678901234	99,999,999.99	1234567890
_ 007600000	01. 02 -	12345678	12345678901234	99,999,999.99	1234567890
007600000	0.0	12345678	12345678901234	99,999,999.99	
_ 007600000	0.0 22	12345678	12345678901234	99,999,999.99	
_ 007600000	000 22	12345678	12345678901234	99,999,999.99	
007600000	010 00	12345678	12345678901234	99,999,999.99	
007600000	0.0 22	12345678	12345678901234	99,999,999.99	
CLEAR-END F		PF07-BACK			
CLEAK-END P	1 03-IVE LOIVIA				

Block and batch amounts will be highlighted if they are not in balance with all of the respective Items.

							ob Cuele				
IMAI			ţ				ch Syste	2113		•	
Capture Site	ATL			On	-Us Ite	m Dei	.d1l				
MESSAGE				Ct =: = =	~	00	Doce	99	Blocks	In Entry	999999
Entry Number	9999			String		99	Pass	99		In Entry	
Capture Date	19980	102		Post D			0102			es In Entry	999999
Capture Cycle	99			Subse	-	9999		0000		In Entry	9999
Tracer RT	99999			Tracer			9999999		CAST		-
Block Number	00760			Block			99,999,999.99			Items	999999 999999
Batch Number	00760	00000	11	Batch	Amt	99,9	99,999.9	19	Batch	nems	999333
										Serial	
Sequ	DB/		D.T.		Acco			Amo	unt	Numbe) r
Number	$\frac{CR}{RR}$	Тур	RT	45070			01234		9,999.9		
00760000009	19 DR	ON		45678			01234	33,33	0,000.0	123430	
Image Key				drrsss	555550	C					
PC		1234	56	CPCS Type 99 User Byte			99 Pocket		99		
CPU ID		9999			CS Ty	pe 9	y Osei	Буге	33	FUCKET .	33
Posting Accour				999999							
Extract Accoun	t			999999				~~~	,,,,,,,,,	/ / / /	
Account Name					XXXX.	XXXX	XXXXX				
Credit RT		9999						•			
Credit Account				999999							
Credit Sequence	e	0088	1234	15678					****		
Credit Account	Name	XXXX	(XX)	(XXXXX	XXXX.	XXXX	XXXXXX	XXXX	XXXXX	XXX	
CLEAR-END				PF11-0							

Block and batch amounts will be highlighted if they are not in balance with all of the respective Items.

MAI		Item Capture Re	esearch Syst	em		
Capture Site MESSAGE		On-Us Archive		00	Blocks in Entry	999999
Entry Number Capture Date Capture Cycle Tracer RT Block Number	9999 19980102 99 99999999 007600000008	String Type Post Date Subset Tracer Acct Block Amt	99 Pass 19980102 999999 9999999999999999999999999999	9999 99	Batches In Entry Items In Entry CAS Type Block Items	999999 999999 999999
Batch Number	007600000011	Batch Amt	99,999,999. Posting Da	.99 ita	Batch Items	999999
IBA Status Source Post Date Sequence Tran Code Total Float Day 1 Float Ledger Bal Description Except Code To Account Credit Bank Credit Sequ	XXXX XXXXXXXX YYYYMMDD XXXXXXXXXX 9999 999,999,999.5 999,999,999.5 XXXXXXXXXX	XXXXXXXXXXX 99 99 99 XXXXXXXXXXXX XXXXXX	Tran Type Product T Effective I Number C Tran Amo Day 0 Flo Day 2 Plu Collected	ype Date Date If Items unt at S Float Baland XXXXX XXXXX Ount	XXXX XXX YYYYMMDD 5 999999 999,999,999. 1 999,999,999. 10 999,999,999. 10 999,999,999.	99 99 99 99

IMAI	£1	lem Capture R	esearch Syste	m		
Capture Site ATL		Transit Iter	n Detail			
Capture Cycle 99 Tracer RT 99999999999999999999999999999999999	9 30102 99999 600000008 600000011	String Type Post Date Subset Tracer Acct Block Amt Batch Amt	99 Pass 19980102 999999 99999999999 99,999,999,9	9	Blocks In Entry Batches In Entry Items In Entry CAS Type Block Items Batch Items	999999 999999 99999 99999 999999
Sequence DE Number CF 007600000019 DE Image Key PC CPU ID End Point Bundle Date Credit RT Credit Account Credit Sequence Credit Account Name CLEAR-END PF03-F	3 TRN 12 yyyymmd 123456 9999 12345678 yyyymmd 9999999 99999999 00SS1234 e XXXXXXX	CPCS Type XXXXXXXId Bundle Tire 9 999999	c pe 99 User (XXXXXXXXXX) me hhmmss	r Byte XXXX Bun	99 Pocket S	7890

IMAI		Item Capture I	Research Sys	tem	
Capture Site	ATL	Transit Item C	ash Letter Do	etail	
MESSAGE End Point	999999999	XXXXXXXX XXXXXXXXX	XXXXXXXXX XXXXXXXXXX	xxxxxxx xxxxxxx	XXXXXXXXXXX XXXXXXXXXXX
C.L. Date C.L. Bundles C.L. Items Schedule Bundle Date Pass Pocket	19980102 999999 999999 999 19980102 99-99-99-9	C.L. Time C.L. ABA Avail Code System Date Bundle Time Pass 99	999999999 9 19980102	Entry	
Item Data Sequence Null RT Account Amount Serial PC Sequence In E Return CLEAR-END	Be mber 00 12 99 99 99 99 99 3undle 99	fore Item 760000019 3456789 999999999999 9,999,999,99 9999999	1tem 007600000 123456789 9999999999 999,999,99 9999999999 99	9 9999999 99.99	After Item 007600000019 123456789 9999999999999 999,999,999,999 99999999

IMA				Item Cap	ture Research Syst	em	
	pture Site ATL			Specific I	tem Search Listing	}	
	SSAGE SEL	ECT	ITE	vi			Carial
		BI T				A a	Serial Number
<u>s</u>			Тур	RT	Account	<u>Amount</u> 99,999,999.99	1234567890
_	00.0000		ON	12345678	12345678901234	99,999,999.99	1234567890
_	00,000000	_	ON	12345678	12345678901234 12345678901234	99,999,999.99	1234567890
_	00,0000000		ON	12345678 12345678	12345678901234	99,999,999.99	1234567890
_	007000000		ON	12345678	12345678901234	99,999,999.99	1234567890
_	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ON ON	12345678	12345678901234	99.999.999.99	1234567890
-	0070000000		ON	12345678	12345678901234	99,999,999.99	1234567890
-	00,000000		ON	12345678	12345678901234	99,999,999.99	1234567890
-	••,••		ON	12345678	12345678901234	99,999,999.99	1234567890
-		_	TR	12345678	12345678901234	99,999,999.99	1234567890
-			ON	12345678	12345678901234	99,999,999.99	1234567890
-		DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-		DB	TR	12345678	12345678901234	99,999,999.99	1234567890
-		DB	ON	12345678	12345678901234	99,999,999.99	1234567890 1234567890
	007600000026	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
_	00,000000	DB	ON	12345678	12345678901234	99,999,999.99 99,999,999.99	1234567890
-	0070000000	DB	ON	12345678	12345678901234 12345678901234	99,999,999.99	1234567890
-	007600000029		TR	12345678 PF07-BAC		,,	
C	LEAR-END PF03-F	<u> </u>	UKN	PFUT-BAC	NVAILD 1100-1 C		

IMAI	Item Capture Res	search System	
Capture Site ATL	Specific Item S	earch Listing	
MESSAGE SELECT IT	EM		
Sequence		Dan Assount	Dep Account Name
S Number Item RT		Dep Account	XXXXXXXXXXXXXXX
007600000008 1234567		12345678901234	XXXXXXXXXXXXXXXX
007600000011 1234567		12345678901234	XXXXXXXXXXXXXXXX
007600000013 1234567		12345678901234	XXXXXXXXXXXXXXXX
007600000014 1234567		12345678901234	XXXXXXXXXXXXXXXXX
108600000015 1234567		12345678901234	
007600000016 1234567		12345678901234	XXXXXXXXXXXXXXXXX
007600000017 123456		12345678901234	XXXXXXXXXXXXXXXX
007600000018 123456	78 12345678901234	12345678901234	XXXXXXXXXXXXXXXXX
007600000021 123456	78 12345678901234	12345678901234	XXXXXXXXXXXXXXXXX
007600000022 123456	78 12345678901234	12345678901234	XXXXXXXXXXXXXXXXX
007600000023 123456	78 12345678901234	12345678901234	XXXXXXXXXXXXXXXX
007600000024 123456	78 12345678901234	12345678901234	XXXXXXXXXXXXXXXXX
007600000025 123456		12345678901234	XXXXXXXXXXXXXXXXXX
007600000025 123456			XXXXXXXXXXXXXXXX
007600000027 123456			XXXXXXXXXXXXXXXX
007600000027 123456			XXXXXXXXXXXXXXXXX
007600000029 123456		12345678901234	XXXXXXXXXXXXXXX
CLEAR-END PF03-RETUR	· · · · · · · · · · · · · · · · · · ·		
OLL/ IN-LITE TO THE TOTAL			

/300

IMCL		Item Capture Researc	ch System		
Capture Site	ATL	Cash Letter Lis	sting		
MESSAGE	Select Cash		- .	Cash Latter	Cash Letter .
Cash Letter	Cash Letter	Cash Letter	End	Cash Letter	1
S Date	Time	Amount	Point	Bundles	<u>Items</u> 999999
19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	
19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
-	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
_ 19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
_ 19980102		9,999,999,999,999.99	123456789	999999	999999
_ 19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
_ 19980102	HHMMSS	9,999,999,999,999.99	123456789	999999	999999
_ 19980102	HHMMSS	9,999,999,999,999.99	123456789		999999
_ 19980102	HHMMSS	9,999,999,999,999.99	123456789		999999
19980102	HHMMSS	9,999,999,999,399.59 PF07-BACKWARD P	PF08-FORWA	• • • • •	
CLEAR-END P	FU3-RETURN	PEUT-BACKWARD F	1 00-1 01(177)		

290 Item Capture Research System IMCL Cash Letter Retrieval ATL Capture Site MESSAGE То 19980102 290A 19980102 000000000 End Point 290B 290D C.L./Bundle Flag X 9,999,999,999,999.99 0,000,000,000,000.00 То C.L./BundleAmt Before Amt 00000000.00 After Amt 00000000.00 00.0000000 Item Amt Clear-End

ļ.

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		Item Capture F	Posearc	h System	
IMCL	S. ATI	Cash Letter B			
Capture S			י אוטונטופ נ	_isung	
MESSAG		in Letter	·	YYYYYY Y	XXXXXXXXXXXXX
End Point	99999999	**************************************	·^^^^		XXXXXXXXXXXX
			MSS	C.L. Amt	9,999,999,999,999.99
C.L. Date		O.E. THIIO		Due From	9999999999999
C.L. Bund	tles 999999		99999		
CCIF Nar					XXXXXXXXXXXXXXX 19980102
C.L. Item		Avail Code 9		Avail Date	19980102
Schedule	999	System Date 19980	102		
Item Amt		Before Amt 99999			
Bundi	e Bundle	Bundle	Number	-	
S Date	<u>Time</u>	Amount		n Bundle	
1998		999,999,999.99	999,99	•	
1998	0102 HHMMSS	999,999,999.99	999,99	•	
1998	0102 HHMMSS	999,999,999.99	999,99	-	
1998	0102 HHMMSS	999,999,999.99	999,99	•	
1998	0102 HHMMSS	999,999,999.99	999,99	-	
1998	0102 HHMMSS	999,999,999.99	999,99	•	
1998		999,999,999.99	999,99	•	
_ 1998		999,999,999.99	999,99	•	
1998		999,999,999.99	999,99	•	
_ 1998	• • •	999,999,999.99	999,99	•	
<u> </u>	-	999,999,999.99	999,99	•	
_ 1998		999,999,999.99	999,99	•	
_ 1998		999,999,999.99	999,99		
1998		999,999,999.99	999,99		2D
CLEAR-E	END PF03 RETUR	N PF07-BACKWAF	(U PF	08-FORWAR	υ

IMCL

Capture Site

Bundle

19980102

19980102

19980102

19980102

19980102

19980102

19980102

19980102

19980102

19980102

19980102

19980102

19980102

19980102

CLEAR-END PF03 RETURN

MESSAGE

S Date

ATL

Bundle

HHMMSS

Time

Select Bundle

Bundle

Amount

999,999,999.99

999,999,999.99

999,999,999.99

999,999,999.99

999,999,999.99

999,999,999.99

999,999,999.99

999,999,999.99

999,999,999.99

999,999,999.99

999,999,999.99

999,999,999.99

999,999,999.99

999,999,999.99 999,999,999

PF07-BACKWARD PF08-FORWARD

Item Capture Research System Number Of Items In Bundle 999,999,999 999,999,999 999,999,999 999,999,999 999,999,999 999,999,999 999,999,999

320

FIG. 32

Bundle Listing

999,999,999

999,999,999

999,999,999

999,999,999

999,999,999

999,999,999

	IMCL		Item Capti	ure Research	System		
	Capture Site	ATL	Cash Le	tter Bundle	Detan		
	MESSAGE End Point	Select Item 999999999	XXXXXXXXX	XXXXXXXX XXXXXXXXX	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX XXXXXXXXXXX	Х
3 30A	C.L. Date C.L. Bundles CCIF Name C.L. Items Schedule Bundle Date Pass Pocket	19980102 999999 XXXXXXXX 999999 999 19980102 99-99-99-99	C.L. Time C.L. ABA XXXXXXXXXXX Avail Code System Date Bundle Time	HHMMSS 99999999 (XXXXXXXX) 9 19980102 HHMMSS String 9	C.L. Amt Due From XXXXXXXXX Avail Date Entry Bundle Amt	9,999,999,9	999,999.99 99999 XXXX
The first time and many or are also to then to the test than the state of the and the state of t	Sequenc S Number 00770000 00770000 00770000 00770000 00770000	e RT 00227 12345 00228 12345 00229 12345 00230 12345 00231 12345 00232 12345	Account 578 12345678 578 12345678 578 12345678 578 12345678 678 12345678 678 12345678	An 3901234 99 3901234 99 3901234 99 3901234 99 3901234 99 3901234 99 3901234 99	nount 9,999,999.99 9,999,999.99 9,999,999.99 9,999,99	Serial Number 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 PF09-AMT	Sequ In <u>Bundle</u> 123456 123456 123456 123456 123456 123456 123456 SEARCH

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IMCL		Item Cap	ture Researe	ch S	System	
Capture Site	ATL	Cash L	etter Bundl	e D	etail	
MESSAGE End Point C.L. Date C.L. Bundles	19980102	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXXXX S2MMHH 99999999	(XX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX XXXXXX 9,999,999,999,999.99 9999999999
CCIF Name	YYYYXXX X	XXXXXXXXXXX	XXXXXXX	ΧXX	XXXXXXXXX	XXXXXXXXXX
C.L. Items Schedule Bundle Date Pass Pocket	999999 999 19980102	Avail Code System Date Bundle Time	9 19980102		Avail Date Entry Bundle Amt Subset	19980102 9999 999,999,999.99 999999
Item Sequen	ce Number	007600000019				
Item Type		TRN				
Item RT		123456789	.00			
Item Account		999999999999				
Item Amount Item Serial		999999999			÷	·
Item PC		99				
Item Sequen	ce in Bundle	99999999999	•			
Return		99				
CLEAR-END	PF03-RETUR	N PF11-ALL	TEMS			

FIG. 34

IMCL			ture Research		-		
Capture Site	ATL	Cash L	etter All Item I	Detail			
	Select Item						
End Point			(XXXXXXXXXX				
	XXX)	XXXXXXXX	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		XXXXXXXX	XXX	
C.L. Date	19980102 C	.L. Time	HHMMSS	C.L. An			,999,999.99
C.L. Bundles		.L. ABA	99999999	Due Fro			999999
CCIF Name	XXXXXXXXXX	XXXXXXXX	XXXXXXXXX				
C.L. Items	999999 A	vail Code	9	Avail D		980102	?
Schedule		,	19980102	Entry	999		
Bundle Date	19980102 B	undle Time	HHMMSS	Bundle		9,999,9	99.99
Pass Pocket	99-99-99 P	ass 99	String 9			999	
Item Amt	9999999.99 B	efore Amt	99999999.99	After A	mt 999	99999	9.99
Estat Number	9999	String Type	e 99 Pas	s 99	Blocks In E	ntry	999999
Entry Number		Post Date	19980102		Batches In		999999
Capture Date Capture Cycle		Subset	999999		Items In En	-	999999
Tracer RT	99999999	Tracer Acc		99999	CAS Type	-	9999
	r 007600000008	Block Amt			Block Items	3	999999
	r 007600000011	Batch Amt			Batch Items	s	999999
PC	123456	CPU ID	9999		CPCS Type	9	99
User Byte	99	Pocket	99		•		
Credit RT	99999999	Credit Acc					
	99SS12345678	Acct Name	XXXXXXX	XXXXX	XXXXXXXX	XXXX	XXXXX
	PF03-RETURN						

Fig. 35